| Index of Claims                                        |                    |          |                        |             |                         |           |              |           |          |                 |                        | Application No. |                     |                        |                |          |          |          |                                                                                   |                  |                | Applicant(s)   |                   |  |  |  |  |
|--------------------------------------------------------|--------------------|----------|------------------------|-------------|-------------------------|-----------|--------------|-----------|----------|-----------------|------------------------|-----------------|---------------------|------------------------|----------------|----------|----------|----------|-----------------------------------------------------------------------------------|------------------|----------------|----------------|-------------------|--|--|--|--|
|                                                        |                    |          |                        |             |                         |           |              |           |          |                 | 10/705,665<br>Examiner |                 |                     |                        |                |          |          |          |                                                                                   | NISHIYAMA ET AL. |                |                |                   |  |  |  |  |
|                                                        |                    |          |                        |             |                         |           |              |           |          |                 |                        |                 |                     |                        |                |          |          |          |                                                                                   | Art Unit         |                |                |                   |  |  |  |  |
|                                                        |                    |          |                        |             |                         |           |              |           |          | Bout A. Zuelsen |                        |                 |                     |                        |                |          |          |          | 1004                                                                              |                  |                |                |                   |  |  |  |  |
| L (SPIEL MPIL ASTR (SEEL) SEITH CHIRD COINS BRITH 1991 |                    |          |                        |             |                         |           |              |           |          | Paul A. Zucker  |                        |                 |                     |                        |                |          |          | 1        | 621                                                                               |                  |                |                |                   |  |  |  |  |
|                                                        | ٦                  | _        |                        | <b>–</b>    | $\Box$                  |           |              |           |          |                 | _                      | г               | Τ-                  |                        |                | 7        | $\Gamma$ | т-       |                                                                                   |                  |                | $\neg$         |                   |  |  |  |  |
| ✓ Rejected – (Through nume<br>Cancelled                |                    |          |                        |             |                         | mer       | al)          |           | N        | N               | Non-Elected            |                 |                     | A                      | 1              | Appeal   |          |          |                                                                                   |                  |                |                |                   |  |  |  |  |
|                                                        |                    | 4        |                        | 4           | H                       |           | Cancened     |           |          |                 | -                      | F               | ⊢                   |                        |                | -        | 尸        |          |                                                                                   | 4                |                |                |                   |  |  |  |  |
|                                                        |                    | =        | Allowed                | ,           | +                       |           | Restricted   |           |          |                 |                        | lı              | l to                | Interference           |                | •        | lo       |          | Objected                                                                          |                  |                |                |                   |  |  |  |  |
|                                                        | L                  |          |                        |             | Ш                       |           |              |           |          |                 | L                      | L               |                     |                        |                | L        | <u> </u> |          |                                                                                   |                  |                |                |                   |  |  |  |  |
|                                                        | Claim              |          | D                      | ate         |                         | 7         | Claim        |           |          | Da              | te                     |                 |                     | 7 [                    | Claim          |          |          |          | Da                                                                                | te               |                | $\neg$         |                   |  |  |  |  |
|                                                        |                    | •        |                        | TT          | ТП                      | 7         |              |           | Τ        | П               | Т                      | Τ               | Γ                   | П                      | 7 $\sqcap$     |          | T        | П        | П                                                                                 | Т                |                | Т              | $\prod$           |  |  |  |  |
|                                                        | Final              | 12/27/04 |                        |             |                         | ı         | Final        | Original  |          |                 |                        | 1               |                     |                        | 3              | Original | ,        | 11       |                                                                                   | 1                |                |                |                   |  |  |  |  |
|                                                        | "   ১              | 5        | 1 1                    |             | 11                      |           | L            | δ         |          |                 | -                      | 1               |                     |                        | '              | -   ဝ    |          | H        |                                                                                   | 1                |                | - 1            |                   |  |  |  |  |
|                                                        | 1 1                |          |                        |             | $\top$                  | _         |              | 51        | 1        |                 |                        | +               | ✝                   | $\Box$                 | 1 🗀            | 10       | 1        | П        | $\top$                                                                            | 1                | T              |                | Ħ                 |  |  |  |  |
|                                                        |                    | •        |                        | $\Box$      | П                       | $\supset$ |              | 52        | $\top$   | П               | $\perp$                | 1_              | $ldsymbol{\square}$ | П                      | ] [            | 10       |          | П        | $\Box$                                                                            | 1                | $\Box$         | $\Box$         | $\Box$            |  |  |  |  |
|                                                        | 3 3                | =        | +                      |             | ╂╌╂                     | -         | <u> </u>     | 53<br>54  | +        | Н               | +                      | ╀               | ╀                   | - -                    | ┥┝             | 10<br>10 |          | Н        |                                                                                   | +-               | +              | -              | ╀┥                |  |  |  |  |
|                                                        |                    | -        |                        | +           | ╁                       | _         |              | 55        | $\top$   | H               | $\pm$                  | T               |                     | $\vdash$               | 7 F            | 10       |          | Н        | $\dashv$                                                                          | 十                | +              | _              | H                 |  |  |  |  |
|                                                        | <u> 5: 6   6  </u> | Ξ        |                        | П           | П                       | $\Box$    |              | 56        | $\bot$   |                 | I                      | I               |                     |                        | ] [            | 10       |          |          |                                                                                   | $\perp$          | $\Box$         | $\Box$         | $\Box$            |  |  |  |  |
|                                                        |                    | -        |                        | ++          | ++                      |           |              | 57<br>58  | +        | Н               | +                      | ╀               | ⊢                   | ╟┼                     | ┥┝             | 10<br>10 |          | Н        | $\dashv$                                                                          | +                | ╀              | +              | Н                 |  |  |  |  |
|                                                        | 9 9                | =        |                        | ++          | ╅                       | $\dashv$  | $\vdash$     | 59        | +        | Н               | +                      | ╁               | ┢                   | H                      | ┪┢             | 10       |          | H        | $\dashv$                                                                          | 十                | ╁              | +              | $\dagger \dashv$  |  |  |  |  |
|                                                        | <b>10 10</b>       | •        |                        | ш           |                         |           |              | 60        |          | П               | I                      |                 |                     |                        |                | 11       | 0        | П        | $\Box$                                                                            | T                |                |                | $\Box$            |  |  |  |  |
|                                                        |                    | -        |                        |             | +                       |           | <u> </u>     | 61<br>62  | +        | Н               | +                      | ╀-              | $\vdash$            | $\vdash$               | <del>↓</del> ├ | 11<br>11 |          | $\vdash$ | $\dashv$                                                                          | +                | Н              |                | $\dashv$          |  |  |  |  |
|                                                        |                    | -        |                        | +           | ╅┪                      | ᅱ         | -            | 63        | +-       | ╂╼╂             | ╁                      | ╁╴              | ┢                   | $\vdash$               | ┨┝             | 11       |          | Н        | $\vdash$                                                                          | ╁                | H              | +              | Н                 |  |  |  |  |
|                                                        | / 14 14            | •        |                        | ፗ           |                         | _         |              | 64        |          |                 |                        | 仜               | 匚                   |                        | ] [            | 11       | 4        |          |                                                                                   | 工                |                | 工              | 口                 |  |  |  |  |
|                                                        |                    |          |                        |             | $\Box$                  | 4         |              | 65        | $\bot$   | Н               | _                      | 1_              | _                   | Ц.                     |                | 11       |          | $\sqcup$ |                                                                                   | 1                | П              | 4              | Ц                 |  |  |  |  |
|                                                        |                    | II II    |                        | ++          | ╂┤                      | $\dashv$  | <del> </del> | 66<br>67  | +-       | Н               | +                      | ╫               | $\vdash$            | $\vdash$               | ┨┝             | 11       |          | Н        | $\dashv$                                                                          | ╌                | Н              | +              | Н                 |  |  |  |  |
|                                                        | 18 18              | =        |                        | $\pm \pm$   | $\pm \pm$               | _         |              | 68        | 1        |                 | 土                      |                 |                     |                        |                | 11       | B 🗀      |          | $\Box$ †                                                                          |                  |                | 工              | Ħ                 |  |  |  |  |
|                                                        | 1 17               |          |                        | $\bot$      | $\downarrow \downarrow$ | _         |              | 69        | $\perp$  | Н               | $\perp$                | 1               |                     | Ш                      | 4 [_           | 11       |          | $\sqcup$ | $\Box$                                                                            | 4                | $\perp$        |                | $\Box$            |  |  |  |  |
|                                                        | 20 -20-<br>21      | $\dashv$ | -1-1-1                 | ╌┼╌┼╌       | ╂╾╂                     | $\dashv$  | $\vdash$     | 70<br>71  | +        | Н               | ┰                      | ╀               | H                   | ₩                      | ┨┝             | 12<br>12 |          | Н        | $\dashv$                                                                          | +                | +              | -              | Н                 |  |  |  |  |
|                                                        | 22                 |          |                        |             |                         | _         |              | 72        |          |                 |                        |                 |                     |                        | <b>1</b> E     | 12       | 2        |          |                                                                                   | 1                |                |                | 口                 |  |  |  |  |
|                                                        | 23                 | 1        |                        | 4-4-        | $\square$               | _         |              | 73        | $\perp$  | Ц               | $\bot$                 | lacksquare      | L                   | H                      | <b>-</b>       | 12       | 3        |          | $\dashv$                                                                          | $\bot$           | $\perp$        | $\perp$        | $\Box$            |  |  |  |  |
|                                                        | 24<br>25           | -        |                        | ++          | ╁┤                      | $\dashv$  |              | 74<br>75  | +        | ╁               | ╌                      | ╁               | ┢                   | $\vdash$               | ┥┝             | 12<br>12 |          | Н        | -                                                                                 | ╫                | +              | +              | +                 |  |  |  |  |
|                                                        | 26                 |          |                        |             | 1                       | _         |              | 76        | 1        | П               | 士                      | İ               | İ                   |                        | j E            | 12       | 5        |          | $\Box$                                                                            |                  | Ħ              |                | П                 |  |  |  |  |
|                                                        | 27                 | 1        |                        | 11          |                         | 7         |              | 77        |          | П               | 1                      | Ļ               | L                   | Ц.                     | - I            | 12       |          | $\Box$   | $\Box$                                                                            | $\bot$           | $\perp$        | $\perp$        | П                 |  |  |  |  |
|                                                        | 28                 | -        |                        | ++          | +                       | $\dashv$  |              | 78<br>79  | +-       | $\vdash$        | ╬                      | ╁               | ╀                   | ┝╌┼╴                   | ┨┝             | 12<br>12 |          | Н        | +                                                                                 | ╬                | +              | $\dashv$       | +                 |  |  |  |  |
|                                                        | 30                 |          |                        | $\top \top$ | 11                      | _         | $\vdash$     | 80        | <b>-</b> | H               | 十                      | 十               |                     |                        | 1              | 13       | न        | П        | T                                                                                 | +                | T              | $\top$         | $\dagger \dagger$ |  |  |  |  |
|                                                        | 31                 |          |                        | $\Box$      |                         | $\exists$ | <u> </u>     | 81        | $\perp$  | П               | Ţ                      | F               | L                   |                        | ] [            | 13       |          | $\Box$   | $\Box$                                                                            | $\perp$          | $\blacksquare$ | $\blacksquare$ | $\Box$            |  |  |  |  |
|                                                        | 32                 | -        |                        | ++          | ╁┤                      | $\dashv$  | <b>-</b>     | 82<br>83  | +        | ┝┤              | +                      | ╁               | ├-                  | ┝╌┼╾                   | ┥┝             | 13<br>13 |          | ╂╌┨      | $\vdash$                                                                          | +                | +              | +              | $\dashv$          |  |  |  |  |
|                                                        | 34                 |          |                        | 11          | $\dagger \exists$       | 1         |              | 84        |          |                 |                        | 1               | T                   |                        | 1 🗀            | 13       |          | Н        |                                                                                   | $\top$           | T              | $\perp$        | $\forall$         |  |  |  |  |
|                                                        | 35                 |          |                        |             |                         | _         |              | 85        |          |                 | $\top$                 |                 |                     |                        |                | 13       |          | П        | $\Box$                                                                            |                  |                | $\Box$         | $\Box$            |  |  |  |  |
|                                                        | 36                 | 4        |                        |             | ╂┤                      |           |              | 86<br>87  | +-       | Н               | _                      | ╄               | ⊢                   | ┝┼                     | ┨┝             | 13<br>13 |          | Н        | $\dashv$                                                                          | -                | 4-             | +              | +                 |  |  |  |  |
|                                                        | 38                 |          |                        | ++          | ╁                       | -         |              | 88        | +        | H               | +                      | T               | H                   | $\vdash$               | ┧┝             | 13       |          | Н        | $\vdash$                                                                          | 十                | +              | -              | +                 |  |  |  |  |
|                                                        | 39                 |          |                        |             |                         | コ         |              | 89        |          |                 |                        | 工               |                     |                        | ] [            | 13       | 9        |          |                                                                                   | I                | $\Box$         |                | $\Box$            |  |  |  |  |
|                                                        | 40                 | -        |                        |             | +                       | $\dashv$  | <u> </u>     | 90<br>91  | +-       | Н               | +                      | ╁┈              | ┢                   | ₩                      | ┨┝             | 14<br>14 |          | Н        | $\vdash$                                                                          | -                | ╀              | $\dashv$       | $\dashv$          |  |  |  |  |
|                                                        | 41                 | -        |                        | ++          | +                       | $\dashv$  | <b></b>      | 92        | +        | H               | +                      | +               | $\vdash$            | ${\mathsf H}$          | ┫┝             | 14       |          | +        | $\vdash +$                                                                        | +                | +              | 十              | ╁┤                |  |  |  |  |
|                                                        | 43                 |          |                        |             | $\Box$                  | コ         |              | 93        |          | 口               | 工                      | I               |                     | 二                      | 1 [            | 14       | 3        | 口        | $\Box$                                                                            |                  |                | 工              | $\Box$            |  |  |  |  |
|                                                        | 44                 | 4        | -1                     | +           | +                       | 4         |              | 94        | +        | $\vdash \vdash$ | +                      | +               | ↓_                  | $\prod_{i=1}^{\infty}$ | ┫┝╸            | 14       |          | +1       | $\dashv$                                                                          | $\bot$           | $\vdash$       | 4              | +                 |  |  |  |  |
|                                                        | 45                 | ٦        |                        | ++          | ╁┤                      | $\dashv$  | <b> </b>     | 95<br>96  | +        | $\vdash$        | +                      | +               | ╁                   | $\vdash$               | ┨┝             | 14       |          | ┼┤       | $\vdash$                                                                          | ╬                | +              | +              | ╢                 |  |  |  |  |
|                                                        | 47                 |          |                        |             | $\perp$                 |           |              | 97        | $\perp$  | 口               | 土                      | I               |                     |                        | ] [            | 14       | 7        | 口        |                                                                                   |                  |                | 士              | 口                 |  |  |  |  |
|                                                        | 48                 | 4        | $+\Box$                | $+\Gamma$   | $\Box$                  | 4         |              | 98        | -        | ┟┦              | $\bot$                 | Ļ               | F                   | $\vdash \vdash$        | 4 F            | 14       |          | $\sqcup$ | $\vdash \!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$ | $\bot$           | 47             | 工              | 卩                 |  |  |  |  |
|                                                        | 49<br>50           | 4        | <del>-   -   -  </del> | ++          | ┿┤                      | $\dashv$  |              | 99<br>100 | +        | ┝┤              | +                      | ╁               | $\vdash$            | $\dashv$               | ┨┝             | 14<br>15 |          | $\vdash$ | $\dashv$                                                                          | +                | +              | $\dashv$       | ┼┤                |  |  |  |  |
|                                                        |                    | _        |                        |             |                         |           |              |           |          |                 |                        |                 | _                   |                        |                |          |          | •        |                                                                                   |                  | _              |                | -                 |  |  |  |  |

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